

1 **CLAIMS**

2

3 **1.** A system comprising:

4 a server device including a DVD drive, wherein the server device further
5 includes a key exchange server, and wherein a DVD is accessible to the DVD
6 drive;

7 a client device coupled to the server device via a network, the client device
8 including a key exchange client and a decoder; and

9 wherein the key exchange client and the key exchange server communicate
10 with one another to pass one or more keys from the DVD to the key exchange
11 client to allow the decoder to decrypt content received, via the network, from the
12 DVD.

13

14 **2.** A system as recited in claim 1, wherein the server device comprises a
15 DVD changer containing a plurality of DVDs.

16

17 **3.** A system as recited in claim 1, wherein the decoder has no
18 knowledge that the DVD drive is included as part of the server device.

19

20 **4.** A system as recited in claim 1, wherein the key exchange server
21 comprises a remote procedure call (RPC) server.

22

23 **5.** A system as recited in claim 1, wherein the key exchange client
24 comprises a DirectShow® application programming interface filter.

1 6. A system as recited in claim 1, wherein the network comprises a
2 public network.

3
4 7. A system as recited in claim 1, wherein the network comprises a
5 home network.

6
7 8. A system as recited in claim 1, wherein the one or more keys are used
8 for Content Scrambling System (CSS) protected content.

9
10 9. A system as recited in claim 1, wherein the decoder is implemented
11 as part of a media content player implemented completely on the client device.

12
13 10. A system as recited in claim 1, wherein the server component
14 further passes, to the key exchange client, region information from the DVD.

15
16 11. A system as recited in claim 1, wherein at least one of the keys is
17 specific to a media content player incorporating the decoder, and wherein the
18 server component obtains, based on information received from the client
19 component, the appropriate key for the media content player.

20
21 12. A system as recited in claim 1, wherein both the server device and
22 the client device execute a Windows® operating system.

1 **13.** A method implemented on a server device, the method comprising:
2 receiving a request, from a remote client computing device, to obtain one or
3 more keys located on a removable storage medium readable by the server device,
4 wherein the one or more keys are for decrypting content on the removable storage
5 medium;

6 obtaining the one or more keys from the removable storage medium; and
7 communicating the one or more keys to the remote client computing
8 device.

9
10 **14.** A method as recited in claim 13, wherein the server device
11 comprises a computing device executing a Windows® operating system.

12
13 **15.** A method as recited in claim 13, wherein the server device
14 comprises a multi-DVD changer.

15
16 **16.** A method as recited in claim 13, wherein the remote client
17 computing device comprises a computing device executing a Windows® operating
18 system.

19
20 **17.** A method as recited in claim 13, wherein the receiving comprises
21 receiving, as a remote procedure call (RPC) message, the request.

1 **18.** One or more computer-readable memories containing a computer
2 program that is executable by a processor to perform the method recited in claim
3 13.

4

5 **19.** A method implemented on a computing device, the method
6 comprising:

7 receiving, from a media player executing on the computing device, a
8 request to perform at least part of a key exchange process with a disc drive in
9 order to decode media content on a disc accessible to the disc drive; and

10 communicating, with a remote server at which the disc drive is located, to
11 obtain one or more keys from the disc that can be used at the computing device to
12 decode the particular media content.

13

14 **20.** A method as recited in claim 19, wherein the disc comprises an
15 optical disc.

16

17 **21.** A method as recited in claim 19, wherein the media player has no
18 knowledge that the disc drive is located at the remote server.

19

20 **22.** A method as recited in claim 19, wherein the method is
21 implemented as a DirectShow® application programming interface filter.

1 **23.** One or more computer-readable memories containing a computer
2 program that is executable by a processor to perform the method recited in claim
3 19.
4

5 **24.** A system comprising:
6 a server component configured to receive Content Scrambling System
7 (CSS) key requests from a client component on a client device via a network; and
8 wherein the server component, in conjunction with the client component,
9 operates as an intermediary between a DVD player on the client device and a
10 DVD drive on the server device.

11
12 **25.** A system as recited in claim 24, wherein the server component
13 comprises a remote procedure call (RPC) server.

14
15 **26.** A system as recited in claim 24, wherein the system comprises a
16 DVD changer.

17
18 **27.** A system comprising:
19 a key exchange server component configured to interact with a key
20 exchange client component on a remote client system in order to exchange
21 Content Scrambling System (CSS) keys between a DVD drive of the system and
22 the key exchange client component; and
23 wherein the CSS keys are exchanged for use by a DVD content player
24 implemented completely at the remote client system.

1 **28.** A system as recited in claim 27, wherein the key exchange server
2 component comprises a remote procedure call (RPC) server.

3
4 **29.** A system as recited in claim 27, wherein the system comprises a
5 DVD changer.

6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25